G'poori'sl JDistillaUon Gas.
(X)2 CO CIT.1 II N
Gas derivable
from air . (K>0+l-28+()-OS+l'OG+4-07 Correction for
failure to bo
burnt — ()*2(> +0-26 -1-96
The #a B should liavo boon . .
C-richest Distillation Gas.
COo CO CH.1 II N
0'50+l-28+0-08+l'06+4-07
-0-34 +0-34
- 2-56
The composition of the distillation gas would be
1 *28 cubic metro I f,j
--(HiS „....._„.....^
free H,/ 0-(iO cubic, metro
1 '21 cubic metro Ha 2xO-42r 0-84 „
free JI(/0'37 cubic metro
OOa 0-03 X 1-28- <HM cubic metre (1( )a
CO 0-07X1-2N
N (HWX1-2.H 0-01
Total tfiiH .m Lens distillation gan
Leaving steam-air #as N clKHik according1 to
(X)
N
0-01 ")X 1'21 .r.,()-()2 cubic, metre OO2
0-07 Xl'2l:-..0-08
0-03 Xl-21 .:.()'()4;
CO (III 4 H
N
0-24 1-28 0-34 l"0f> 2"11 O-O-l 0*0!) 0-;M O-fH) 0-04
(HO 2-07
(H)
N
uoa co (!ir,t rr N ()•!(> 1-28 0-42 HW l/,n 0-02 ()•()« 0-42 0-;*7 O'Ot
0-14 1-20 ~.....(Hiirf'T?
Wr-..2-J2 . . . 3*7<>2xO'39«5 = l-49
InvoHtigation of the proportions in which nteam-air gas production took placo yioldn the following :—
In the (1-pooroHt gas there IB contained in the steam-air gas 0*744 kilograннno (!, and in the C-riehest gas in the steam-air gaw thorn in 0*722 kilogramme C. From formula (22) there would thus be alno in the respective steam-air gas contents aniountH of 0*74-1x0*24=0*18 cubic metre II and 0-722 X0'24=0-17 cubic metre H, and 0*744 XS-18=2*88 cubic nietroH N and 0-722 X8-18=2'26 cubic metres N. The II and N actually prenent were 0*4(> cubic metre II and 2*07 cubic metres N, and (H>9 cul)ic metre II and 1*47 cubic metre N. Thus the respective steam-air gases contained 0*28 cubic